

- SHT 1COVER SHEET
- SHT 2MICROPROCESSOR, ROM, RAM, I/O
- SHT 3GATE ARRAY
- SHT 4MIDI, CLOCKS
- SHT 5ESP 1
- SHT 6ESP 2
- SHT 7ESP 3
- SHT 8ESP 4
- SHT 9KEYPAD/DISPLAY, FOOTSWITCH INPUTS
- SHT 10BYPASS CAPS, POWER SUPPLY CONN., UNUSED GATES
- SHT 11CV PEDAL A/D CONVERTER

| REVISIONS | | | |
|-----------|-------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| 1 | PROTOTYPE RELEASE | | |
| 2 | PROTOTYPE RELEASE | | |
| 3 | PROTOTYPE RELEASE | | |
| 4 | PROTOTYPE RELEASE | | |
| 5 | PROTOTYPE RELEASE | | |
| 6 | PROTOTYPE RELEASE | | |
| 7 | PROTOTYPE RELEASE | | |
| A | RELEASED PER EDR 42-528 | 12-21-94 | AKS |
| B | REVISED PER ECO 3057 | 2-4-95 | AKS |
| C | REVISED PER ECO 3070 | 7-20-95 | AKS |

5. INSTALL JUMPER R80, REMOVE JUMPER R81.
4. FOR ESP VOLTAGE OF 5.25V.

INSTALL: VR2, R74, R75, C115, C116 & C121.

REMOVE: VR3 & C114.

FOR ESP VOLTAGE OF 5.00V.

INSTALL: VR3, C114 & C116.

REMOVE: VR2, R74, R75, C115 & C121.
3. ALL 0.1UF BYPASS CAPACITORS ARE 25V +80/-20% Z5U.
2. ALL CAPACITOR VALUES ARE IN MICROFARADS, 16V MINIMUM.
1. ALL RESISTOR VALUES ARE IN OHMS, 1/8W 5%.

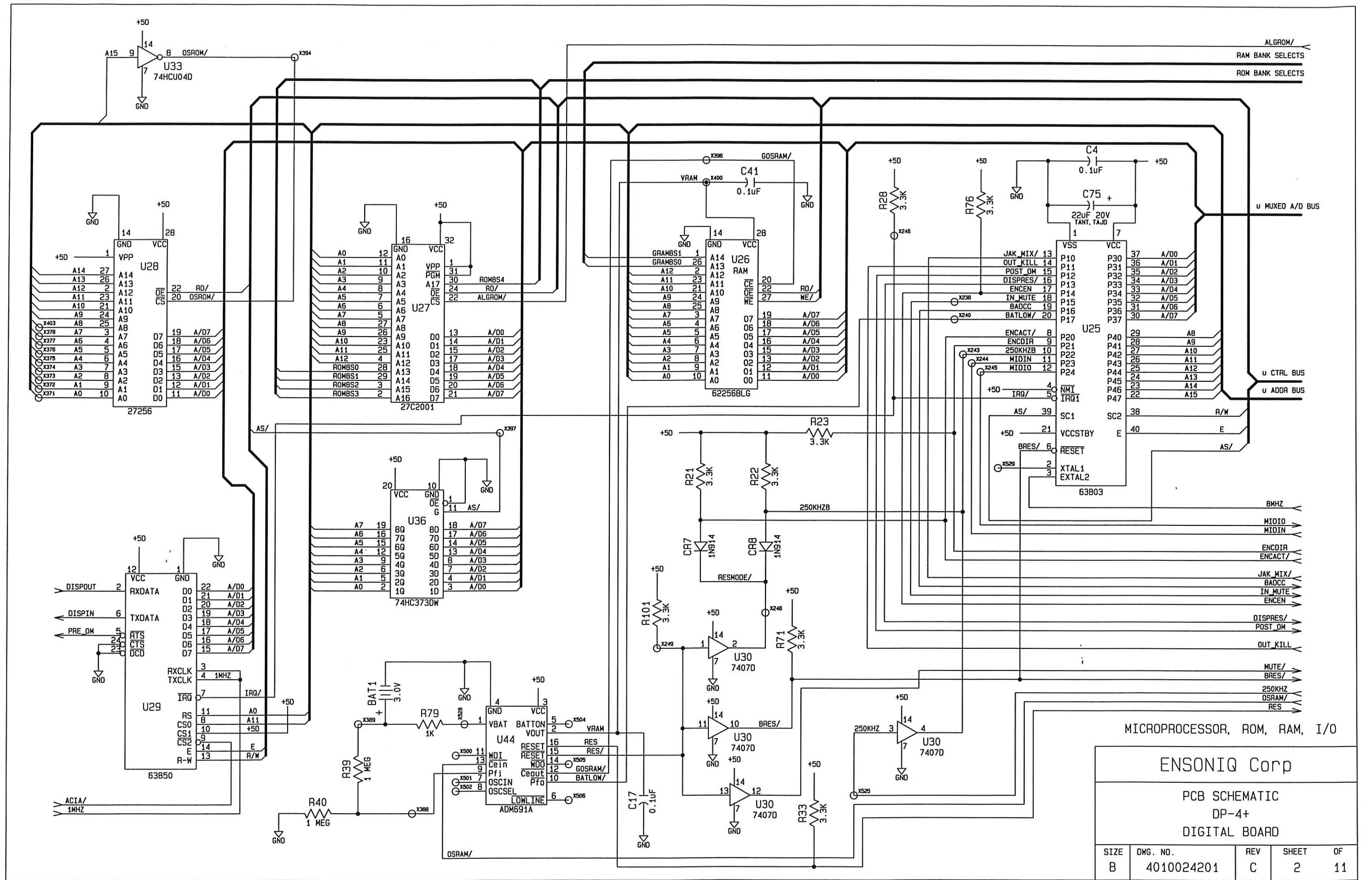
NOTES - UNLESS SPECIFIED OTHERWISE:

COVER SHEET

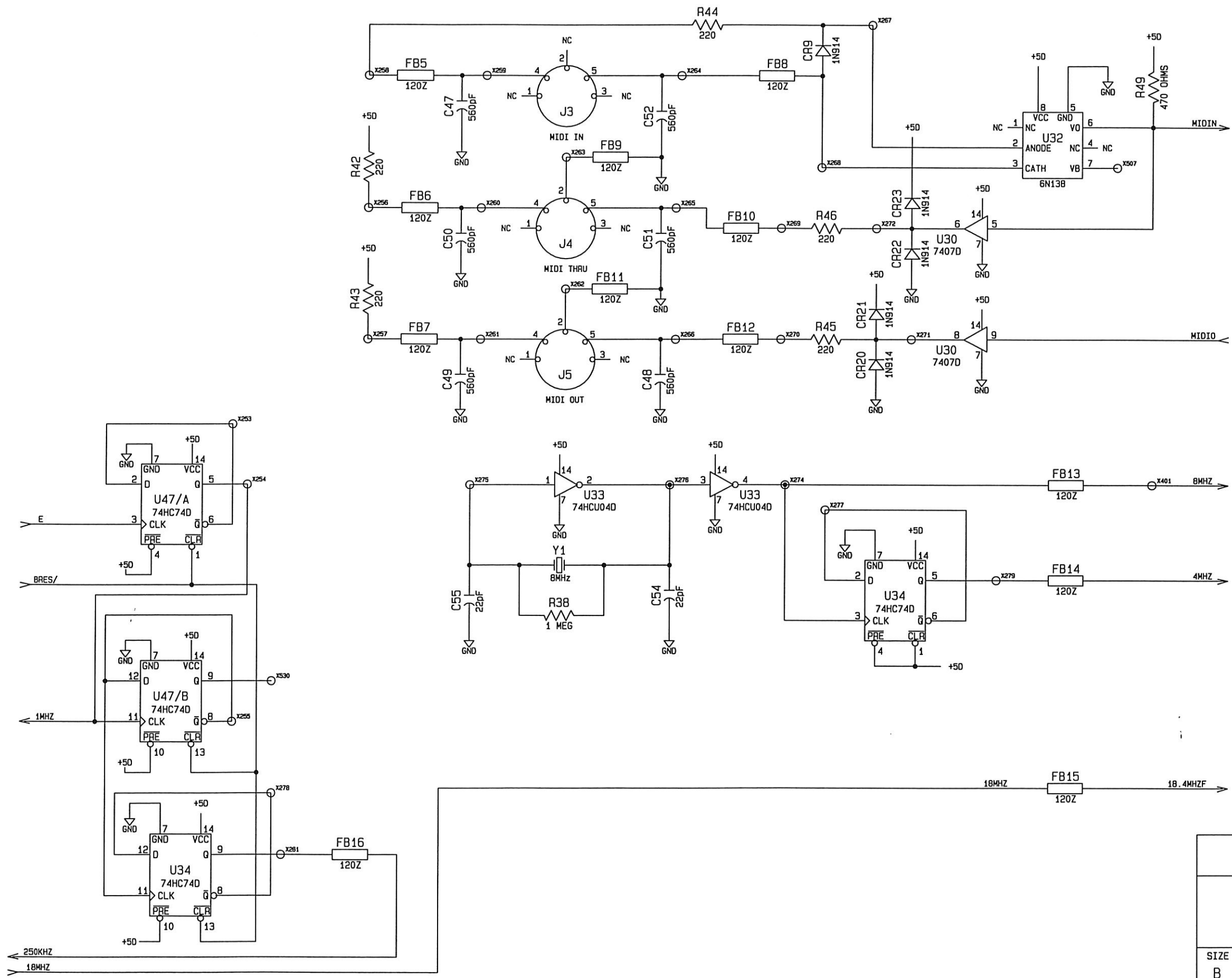
ENSONIQ Corp

155 GREAT VALLEY PKWY, MALVERN PA 19355

| | | | | |
|-------------------|----------|-----------------------------------------|------------------------|----------|
| APPROVALS | DATE | PCB SCHEMATIC DP-4+ DIGITAL BOARD | | |
| OWN BY: AKS | 02-18-94 | | | |
| CHKD BY: | | | | |
| APPD BY: | | SIZE B | DWG. NO. 4010024201 | REV C |
| USED ON: DP-4 PRO | SCALE — | SHEET 1 | OF 11 | |

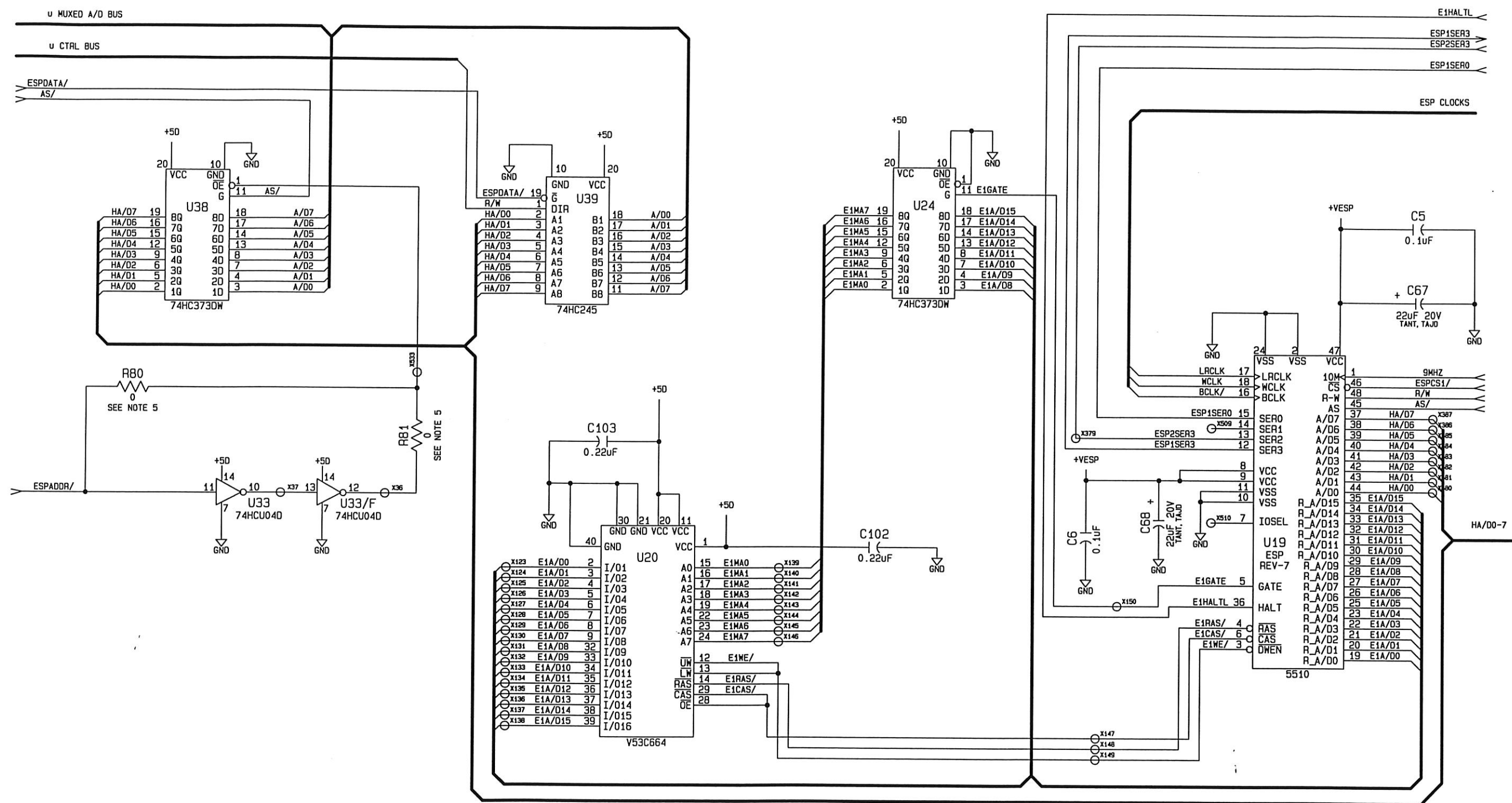


| | | | | |
|-------------------------------|------------|-----|-------|----|
| MICROPROCESSOR, ROM, RAM, I/O | | | | |
| ENSONIQ Corp | | | | |
| PCB SCHEMATIC | | | | |
| DP-4+ | | | | |
| DIGITAL BOARD | | | | |
| SIZE | DWG. NO. | REV | SHEET | OF |
| B | 4010024201 | C | 2 | 11 |



MIDI, CLOCKS

| | | | | |
|---------------|------------|-----|-------|----|
| ENSONIQ Corp | | | | |
| PCB SCHEMATIC | | | | |
| DP-4+ | | | | |
| DIGITAL BOARD | | | | |
| SIZE | DWG. NO. | REV | SHEET | OF |
| B | 4010024201 | C | 4 | 11 |



ESP 1

ENSONIQ Corp

PCB SCHEMATIC
DP-4+
DIGITAL BOARD

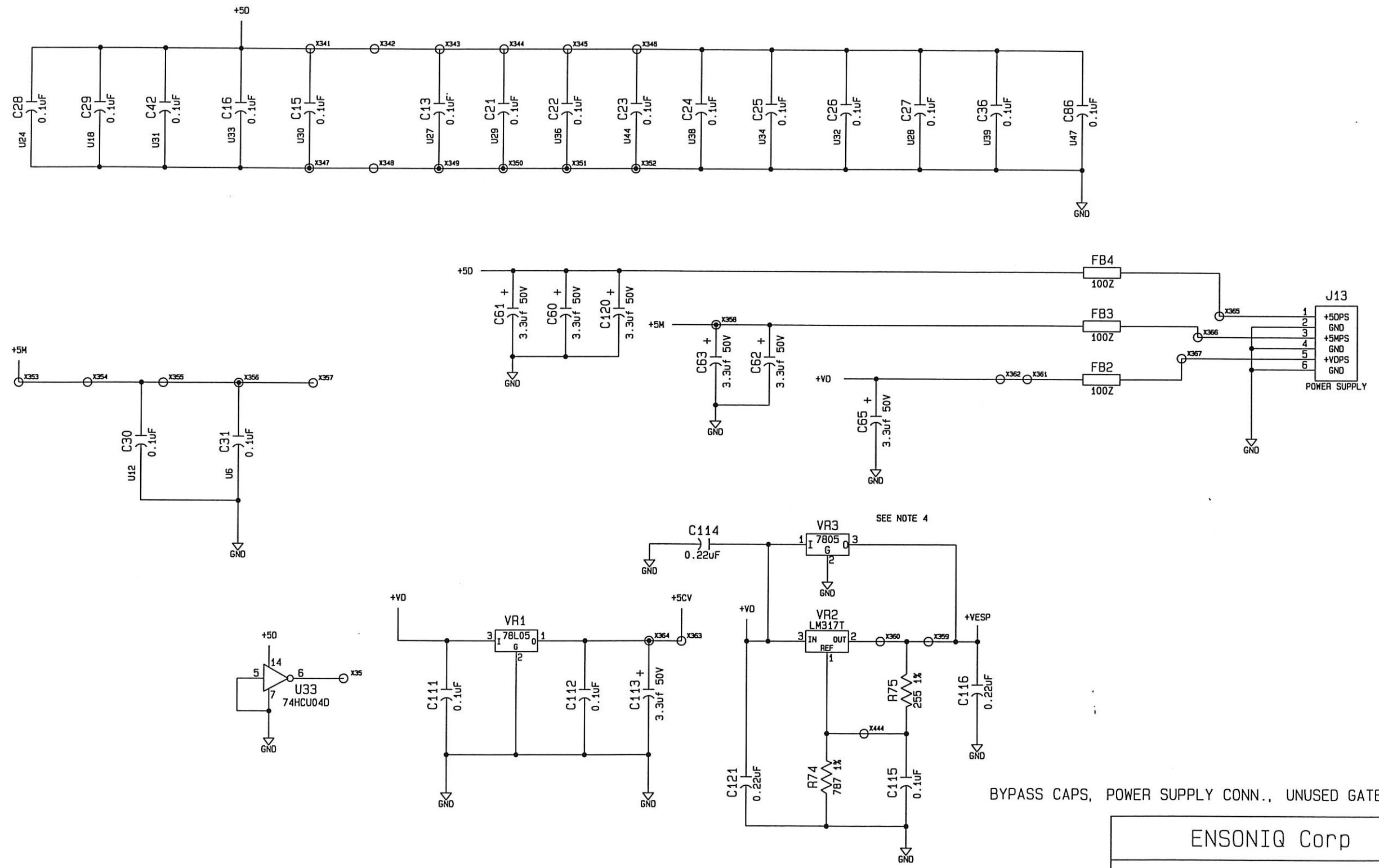
| SIZE | DWG. NO. | REV | SHEET | OF |
|------|------------|-----|-------|----|
| B | 4010024201 | C | 5 | 11 |

| | | | | |
|------|------------|-----|-------|----|
| SIZE | DWG. NO. | REV | SHEET | OF |
| B | 4010024201 | C | 7 | 11 |

KEYPAD/DISPLAY, FOOTSWITCH INPUTS

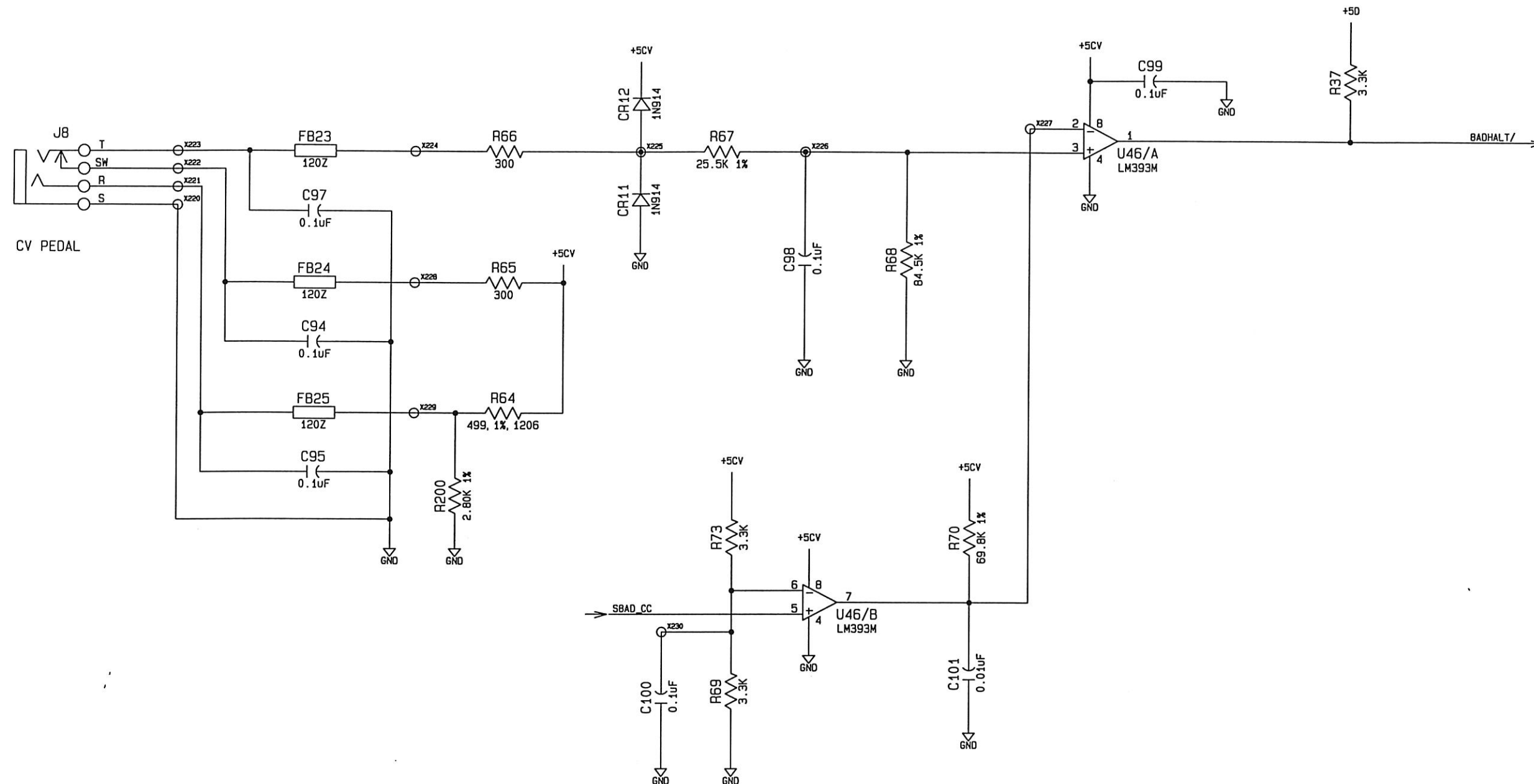
ENSONIQ Corp

PCB SCHEMATIC
DP-4+
DIGITAL BOARD



BYPASS CAPS, POWER SUPPLY CONN., UNUSED GATES

| | | | | |
|---------------|------------|-----|-------|----|
| ENSONIQ Corp | | | | |
| PCB SCHEMATIC | | | | |
| DP-4+ | | | | |
| DIGITAL BOARD | | | | |
| SIZE | DWG. NO. | REV | SHEET | OF |
| B | 4010024201 | C | 10 | 11 |



CV PEDAL A/D CONVERTER

ENSONIQ Corp

PCB SCHEMATIC
DP-4+
DIGITAL BOARD

| SIZE | DWG. NO. | REV | SHEET | OF |
|------|------------|-----|-------|----|
| B | 4010024201 | C | 11 | 11 |